

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industry<sup>1</sup> sector, California, 2009

Primary source and secondary source <sup>2</sup>	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining <sup>3</sup>	Construction	Manufacturing	Total service providing	Trade, transportation, and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services
Total.....	301	94	24	50	20	152	78	--	7	30	12	13	10
<b>Primary Source*</b>													
Chemicals and chemical products.....	6	3	--	--	3	--	--	--	--	--	--	--	--
Furniture and fixtures.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Machinery.....	18	9	--	3	6	8	5	--	--	--	--	--	--
Construction, logging, and mining machinery.....	6	4	--	3	--	--	--	--	--	--	--	--	--
Parts and materials.....	23	10	3	7	--	11	5	--	--	--	--	--	4
Building materials--solid elements.....	7	3	--	--	--	4	3	--	--	--	--	--	--
Bricks, blocks, structural stone.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Fasteners, connectors, ropes, ties.....	8	--	--	--	--	5	--	--	--	--	--	--	3
Ropes, ties, chains.....	7	--	--	--	--	5	--	--	--	--	--	--	3
Rope, twine, string.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts.....	5	4	--	4	--	--	--	--	--	--	--	--	--
Electric parts.....	5	4	--	4	--	--	--	--	--	--	--	--	--
Persons, plants, animals, and minerals.....	9	--	--	--	--	7	--	--	--	4	--	--	--
Animals and animal products.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Plants, trees, vegetation--not processed.....	5	--	--	--	--	5	--	--	--	4	--	--	--
Trees, logs.....	5	--	--	--	--	5	--	--	--	4	--	--	--
Structures and surfaces.....	51	29	--	24	3	18	6	--	--	8	--	--	--
Floors, walkways, ground surfaces.....	46	26	--	22	3	16	6	--	--	7	--	--	--
Floors, walkways, ground surfaces, unspecified.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Floors.....	14	8	--	5	3	4	3	--	--	--	--	--	--
Floor of building.....	11	6	--	4	--	3	--	--	--	--	--	--	--
Ground.....	22	13	--	12	--	7	--	--	--	6	--	--	--
Tools, instruments, and equipment.....	11	--	--	--	--	7	--	--	--	--	--	--	--
Handtools--nonpowered.....	9	--	--	--	--	6	--	--	--	--	--	--	--
Cutting handtools--nonpowered.....	7	--	--	--	--	5	--	--	--	--	--	--	--
Knives.....	4	--	--	--	--	4	--	--	--	--	--	--	--
Vehicles.....	102	25	14	8	3	49	33	--	--	5	6	3	--
Air vehicle.....	23	--	--	--	--	5	--	--	--	--	--	--	--
Aircraft--powered fixed wing.....	11	--	--	--	--	--	--	--	--	--	--	--	--
Propeller-driven aircraft.....	9	--	--	--	--	--	--	--	--	--	--	--	--
Aircraft--powered rotary wing.....	12	--	--	--	--	--	--	--	--	--	--	--	--
Helicopter.....	12	--	--	--	--	--	--	--	--	--	--	--	--
Highway vehicle, motorized.....	55	11	--	8	--	35	25	--	--	4	--	--	--
Automobile.....	14	4	--	--	--	8	4	--	--	--	--	--	--
Bus.....	4	--	--	--	--	4	--	--	--	--	--	--	--

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industry<sup>1</sup> sector, California, 2009 - continued

Primary source and secondary source <sup>2</sup>	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining <sup>3</sup>	Construction	Manufacturing	Total service providing	Trade, transportation, and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services
Truck.....	34	7	--	6	--	22	19	--	--	--	--	--	--
Truck, unspecified.....	6	--	--	--	--	--	--	--	--	--	--	--	--
Delivery truck.....	5	--	--	--	--	4	3	--	--	--	--	--	--
Dump truck.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Pickup truck.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Semitrailer, tractor trailer, trailer truck.....	11	--	--	--	--	11	11	--	--	--	--	--	--
Truck, n.e.c.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Offroad vehicle, nonindustrial.....	4	--	--	--	--	--	--	--	--	--	--	--	--
All terrain vehicle (ATV).....	3	--	--	--	--	--	--	--	--	--	--	--	--
Plant and industrial powered vehicles, tractors.....	13	8	7	--	--	4	3	--	--	--	--	--	--
Forklift.....	4	--	--	--	--	3	--	--	--	--	--	--	--
Forklift, unspecified.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Tractor.....	8	7	7	--	--	--	--	--	--	--	--	--	--
Water vehicle.....	5	3	3	--	--	--	--	--	--	--	--	--	--
Tugboat, commercial fishing boat.....	4	3	3	--	--	--	--	--	--	--	--	--	--
Other sources.....	76	11	--	5	4	48	22	--	4	8	--	7	3
Ammunition.....	60	4	--	--	--	42	22	--	4	5	--	5	--
Bullets.....	55	4	--	--	--	39	20	--	4	5	--	4	--
Pellets.....	5	--	--	--	--	--	--	--	--	--	--	--	--
Atmospheric and environmental conditions.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Steam, vapors, liquids, n.e.c.....	8	3	--	--	--	4	--	--	--	--	--	--	--
Liquids.....	8	3	--	--	--	4	--	--	--	--	--	--	--
Water.....	8	3	--	--	--	4	--	--	--	--	--	--	--
<b>Secondary Source<sup>3</sup></b>													
Containers.....	4	--	--	--	--	--	--	--	--	--	--	--	--
Furniture and fixtures.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Machinery.....	12	5	--	--	3	7	--	--	--	3	--	--	--
Material handling machinery.....	5	--	--	--	--	3	--	--	--	--	--	--	--
Elevators, aerial lifts.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Manlifts.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Parts and materials.....	12	9	3	6	--	--	--	--	--	--	--	--	--
Machine, tool, and electric parts.....	6	5	--	5	--	--	--	--	--	--	--	--	--
Electric parts.....	6	5	--	5	--	--	--	--	--	--	--	--	--
Electrical wiring.....	4	3	--	3	--	--	--	--	--	--	--	--	--
Vehicle and mobile equipment parts.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Persons, plants, animals, and minerals.....	71	5	3	--	--	53	24	--	4	13	4	5	--
Person--other than injured or ill worker.....	58	--	--	--	--	43	21	--	4	6	4	5	--

See footnotes at end of table.

TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industry<sup>1</sup> sector, California, 2009 - continued

Primary source and secondary source <sup>2</sup>	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining <sup>3</sup>	Construc- tion	Manufac- turing	Total service providing	Trade, transpor- tation, and utilities	Informa- tion	Financial activities	Profes- sional and business services	Education and health services	Leisure and hospitality	Other services
Person--other than injured or ill worker, unspecified.....	16	--	--	--	--	13	5	--	--	--	--	--	--
Co-worker, former co-worker of injured or ill worker.....	12	--	--	--	--	9	5	--	--	--	--	--	--
Relative of injured or ill worker.....	3	--	--	--	--	3	--	--	--	--	--	--	--
Robber.....	9	--	--	--	--	9	8	--	--	--	--	--	--
Person--other than injured or ill worker, n.e.c.....	18	--	--	--	--	9	3	--	--	3	--	--	--
Plants, trees, vegetation--not processed.....	9	--	--	--	--	7	--	--	--	7	--	--	--
Trees, logs.....	9	--	--	--	--	7	--	--	--	7	--	--	--
Structures and surfaces.....	37	18	--	15	--	17	10	--	--	3	--	--	--
Floors, walkways, ground surfaces.....	6	5	--	4	--	--	--	--	--	--	--	--	--
Other structural elements.....	14	7	--	7	--	7	3	--	--	--	--	--	--
Roof.....	7	5	--	5	--	--	--	--	--	--	--	--	--
Skylights.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Structures.....	17	6	--	4	--	10	7	--	--	--	--	--	--
Pools.....	4	--	--	--	--	3	--	--	--	--	--	--	--
Towers, poles.....	4	3	--	--	--	--	--	--	--	--	--	--	--
Other structures.....	7	--	--	--	--	6	6	--	--	--	--	--	--
Guardrails, road dividers.....	6	--	--	--	--	5	5	--	--	--	--	--	--
Tools, instruments, and equipment.....	11	7	--	7	--	3	3	--	--	--	--	--	--
Ladders.....	7	5	--	5	--	--	--	--	--	--	--	--	--
Ladders--movable.....	7	5	--	5	--	--	--	--	--	--	--	--	--
Step ladders.....	5	5	--	5	--	--	--	--	--	--	--	--	--
Vehicles.....	38	5	--	3	--	18	12	--	--	--	--	--	--
Air vehicle.....	11	--	--	--	--	--	--	--	--	--	--	--	--
Aircraft--powered rotary wing.....	8	--	--	--	--	--	--	--	--	--	--	--	--

See footnotes at end of table.

**TABLE A-4. Fatal occupational injuries by primary and secondary source of injury for all fatalities and by major private industry<sup>1</sup> sector, California, 2009 - continued**

Primary source and secondary source <sup>2</sup>	Total fatalities (number)	Goods producing				Service providing							
		Total goods producing	Natural resources and mining <sup>3</sup>	Construction	Manufacturing	Total service providing	Trade, transportation, and utilities	Information	Financial activities	Professional and business services	Education and health services	Leisure and hospitality	Other services
Helicopter.....	8	--	--	--	--	--	--	--	--	--	--	--	--
Highway vehicle, motorized.....	22	3	--	--	--	14	9	--	--	--	--	--	--
Automobile.....	8	--	--	--	--	4	--	--	--	--	--	--	--
Truck.....	11	--	--	--	--	8	6	--	--	--	--	--	--
Semitrailer, tractor trailer, trailer truck.....	8	--	--	--	--	6	4	--	--	--	--	--	--
Van--passenger or light delivery.....	3	--	--	--	--	--	--	--	--	--	--	--	--
Plant and industrial powered vehicles, tractors.....	4	--	--	--	--	3	3	--	--	--	--	--	--
Other sources.....	8	4	--	--	--	--	--	--	--	--	--	--	--
Atmospheric and environmental conditions.....	5	--	--	--	--	--	--	--	--	--	--	--	--

<sup>1</sup> Industry data from 2003 to 2008 are classified using the 2002 North American Industry Classification System (NAICS). Industry data after 2008 are classified using the 2007 NAICS.

<sup>2</sup> Based on the BLS Occupational Injury and Illness Classification Manual.

<sup>3</sup> Includes fatalities at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

<sup>4</sup> The primary source of injury identifies the object, substance, or exposure that directly produced or inflicted the injury. For most transportation incidents, the primary source identifies the vehicle in which the deceased was an occupant. For most falls, the primary source identifies the surface or object contacted

source of injury or that contributed to the event or exposure. For vehicle collisions, the deceased's vehicle is the primary source and the other object (truck, road divider, etc.) is the secondary source. For most homicides, the "bullet" is the primary source and the "assailant" is the secondary source. For most falls, the secondary source identifies the equipment or surface from which the worker fell.

NOTE: Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. n.e.c. means "not elsewhere classified." CFOI fatality counts exclude illness-related deaths unless precipitated by an injury event. Data for 2009 are preliminary.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State and Federal agencies, Census of Fatal Occupational Injuries